

## Faculty Position in the Institute of Laser Engineering, the University of Osaka

Outline	<p>The Quadruple Matrix Center (QMC), affiliated with the Institute of Laser Science at the University of Osaka, is actively involved in leveraging the broad laser science research conducted by the institute's four research divisions: the “Photon Beam Science Research Division”, “High Energy Density Science Research Division”, “Laser Fusion Science Research Division”, and “Theory and Computational Science Research Division”. By integrating academic, international, institutional, and industry collaborations, the center aims to fully utilize Japan's laser technology, realize the "fusion of knowledge," and contribute to the creation of new knowledge and the realization of innovations.</p> <p>To further accelerate these activities, we invite applications for academic staff positions at the Quadruple Matrix Center (QMC), which aims to pioneer cutting-edge interdisciplinary fields through collaboration with diverse disciplines.</p> <p>Specifically, we seek candidates who are capable of contributing to the development of pioneering new research fields that connect laser science, with its multi-dimensional optical information capabilities, to mathematical and information sciences for recognition and processing, as well as related fields in material and chemical sciences. The ideal candidate will engage in extensive collaborative research with domestic and international research institutions and industry, thereby integrating and bridging these fields.</p> <p>In addition, the applicant will be responsible for the operation of the Joint Usage/Research Center and will also contribute to education and research as a faculty member in a collaborative course at our graduate school.</p>
1. Position	Assistant Professor
2. Number of Positions	1 or 2 (One or Two) positions
3. Affiliation	The Quadruple Matrix Center, Institute of Laser Engineering
4. Work Location	Suita Campus (2-6 Yamadaoka, Suita City, Osaka, Japan)
5. Specialized Field	We welcome applications from a broad range of disciplines, including photon beam science, mathematical and information sciences, materials science, and other related fields.
6. Responsibilities	<ul style="list-style-type: none"> <li>· Engagement in interdisciplinary research and education in the areas described above.</li> <li>· Providing educational and research guidance to graduate and undergraduate students affiliated with the collaborative courses of the graduate school.</li> <li>· Administrative duties related to the operation of our institute.</li> </ul>
7. Qualifications	<p>[Essential]</p> <p>Applicants must meet the following requirements:</p> <ol style="list-style-type: none"> <li>(1) The candidate must hold a master's or doctoral degree.</li> <li>(2) Outstanding research achievements in the relevant fields, with the ability to actively engage in pioneering new interdisciplinary areas.</li> <li>(3) Fundamental knowledge of photon beam science, mathematical and information sciences, and material sciences.</li> <li>(4) Enthusiasm and proficiency in either English or Japanese, sufficient to provide guidance in research and education for graduate school courses and majors.</li> </ol>
8. Starting Date	April 1, 2025 (or as soon as possible thereafter)

9. Term of Employment	<p>The contract period is five (5) years from the starting date; however, the term of employment for those who have not obtained a doctoral degree will be three (3) years.</p> <p>*Following the completion of the term, the contract may be extended, subject to continuity of work and performance evaluation. (Based on “73. Regulations Pertaining to Contract Period of National University Corporation Osaka University Fixed-term Staff, etc.”) The maximum extension limit is 10 years from the starting date.</p>
10. Probationary Period	6 months
11. Employment Form	<p>Based on “38. Regulations Pertaining to Working Hours, Holidays and Leave for National University Corporation Osaka University Limited Term Staff”</p> <p><a href="https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html">https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</a></p> <p>*The Discretionary Labor System (Special Work Type) will be applied with the applicant’s consent. (deemed working hours: 8 hours a day)</p>
12. Salary and Benefits	<p>Based on “47. Salary Regulations for National University Corporation Osaka University Limited Term Staff Subject to New Annual Salary System”</p> <p><a href="https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html">https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</a></p>
13. Insurance	Medical insurance and employee’s pension insurance of the Federation of National Public Service Personnel Mutual Aid Associations, Employment Insurance and Industrial Accident Compensation Insurance
14. Application Documents	<p>Applications must be submitted in either English or Japanese and must include the following:</p> <ol style="list-style-type: none"> <li>1. A Curriculum Vitae <ul style="list-style-type: none"> <li>*Please use the university-provided form for educational/research positions, available at the following website.</li> <li><a href="https://www.osaka-u.ac.jp/en/news/employ/links">https://www.osaka-u.ac.jp/en/news/employ/links</a></li> </ul> </li> <li>2. A list of research achievements including original papers, review papers, books, patents, and presentations at international conferences.</li> <li>3. Reprints of three major original papers (photocopies are acceptable).</li> <li>4. A list and brief description of awards and prizes.</li> <li>5. An outline of research and education achievements (within two A4 pages).</li> <li>6. A research plan and educational aspirations (within two A4 pages).</li> <li>7. A list of external funding sources, including but not limited to domestic Grants-in-Aid for Scientific Research (please specify whether as principal investigator or co-investigator).</li> <li>8. Other relevant information, such as domestic and international academic activities, social activities, and industry-academia-government collaboration.</li> <li>9. Recommendation letters from two (2) professional references, including their name, affiliation, contact information, and relationship to the applicant. Alternatively, the names, affiliations, and contact details of two professional referees who are willing to be contacted regarding the applicant. Recommendation letters should be sent directly by the referees to the e-mail address below.</li> </ol> <p>*Personal information in the application documents will be used solely for the purpose of screening and hiring procedures and will not be disclosed to any third parties.</p>

15. Sending Address and Contact Information	<p>Please submit the application documents via e-mail to:  <a href="mailto:rezaken-syomu@office.osaka-u.ac.jp">rezaken-syomu@office.osaka-u.ac.jp</a></p> <ul style="list-style-type: none"> <li>* Please include “Application for Assistant Professor in QMC (A)” in the subject line.</li> <li>* All documents should be consolidated into a single PDF file.</li> <li>* Ensure that the file is properly formatted to prevent any file corruption.</li> <li>* Attach the application documents in PDF format, ensuring that appropriate security measures are in place.</li> <li>* Please note that submitted application documents will not be returned.</li> <li>* If any difficulty in submitting by e-mail, please contact us.</li> </ul> <p>Contact Person: Professor Noriko Chikumoto  Tel: +81-6-6879-8738  E-mail: <a href="mailto:chikumoto.noriko.ile@osaka-u.ac.jp">chikumoto.noriko.ile@osaka-u.ac.jp</a></p>
16. Application Deadline	Must be received by no later than December 16, 2024 (Japan Standard Time).
17. Selection Process	<p>The document screening process will be followed by interviews. Only applicants who pass the document screening will be notified of the interview details within one month after the application deadline.</p> <ul style="list-style-type: none"> <li>*Travel and accommodation fees required for interviews will be the responsibility of the applicant. Applicants residing overseas may request an online interview.</li> <li>*Please note that unsuccessful applicants will not be contacted.</li> </ul>
18. Additional Information	<p>Concerning work conditions other than the above-mentioned, please refer to “36. Work Regulations for National University Corporation Osaka University Limited Term Staff” and/or related regulations.  <a href="https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html">https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</a></p> <p>Please note the above-mentioned work conditions are as of the day this employment offer is posted, and subject to change.</p> <p>In principle, there will be no changes to the affiliation, work location, or responsibilities after employment.</p> <p>"Deemed exports" related to security export control are based on "Regulations Pertaining to Security Export Control".</p> <p>We also particularly encourage applications from female candidates.  The University of Osaka is committed to promoting gender equality and providing various supports for female academic staff members.  <a href="http://www.di.osaka-u.ac.jp/en_lp/">http://www.di.osaka-u.ac.jp/en_lp/</a></p> <p>*The University of Osaka campuses and related facilities are smoke-free, except for designated areas.</p> <p>Note: National University Corporation Osaka University is the same as the University of Osaka.</p>
19. Recruiter	National University Corporation Osaka University